

SECRET

MONTHLY REPORT

25X1

PAR 211

10 July 1964

SUBJECT: Microdensitometer Study of Effects of Processing

TASK/PROBLEM

1. Collect and study microdensitometric data from mission materials in an attempt to determine the effect of film emulsions, processing, and printing on the characteristics of image edges. Also, attempt to determine true location of image edges for mensuration purposes.

DISCUSSION

2. A meeting was held with the customer representative, Results of the meeting were as follows:

25X1

- a. Approval was indicated of the direction taken in the effort to date.
- b. Interest was expressed in the inclusion of low contrast resolving power and modulation transfer measurements.
- c. Ground work was laid for future meetings to discuss the mensuration portion (phase 3) of this project.

3. A program has been worked out for making low contrast measurements on negative and positive films processed in various developer formulations.

4. Arrangements have been made to secure modulation transfer exposures and microdensitometer readouts from the

25X1

PLANNED ACTIVITIES

5. During the next period, the study of the effects of processing developer formulation variations on film image characteristics will be continued. Measurement of image structure will also be made on films processed under standard Trenton processing conditions.

GROUP 1
Excluded from automatic downgrading
and declassification

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Declass Review by NGA.